Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

PRE-MEASUREMENT

"FIRST AND FINAL BILL"

		Assembly Constituency
21	ಅಂದಾಜು ಮೊತ್ತ	Rs.200.00 Lakhs

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

(1)

Detailed Measurements 26-09-23, 6-11-23.

Sl	Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit
	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.						
	1st and Part bill						
	Footings						
	NES Circle LED Light Tower	1	5.00	5.00	4.15	103.75	
	2nd and Final bill						
	Yelahanka Lake Light Tower	1	5.00	5.00	4.15	103.75	
	NES Circle Clock tower Surrounding						
	for Road Edge Concrete frm East Side	1	9.50	1.20	0.30	3.42	
		1	30.00	1.20	0.30	10.80	
		1	10.00	1.20	0.30	3.60	
		1	9.50	1.20	0.30	3.42	
		1	30.00	1.20	0.30	10.80	
		1	10.00	1.20	0.30	3.60	
	For Cable Trench						
	From Bescom Pole To NES Circle LED Light Tower						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 48.00m	1	18.00	0.45	0.75	6.08	
	NES Circle Clock Tower To Light Tower						
	Ch:30.00m to 22.00m	1	22.00	0.45	0.75	7.43	
	NES Circle Clock Tower Garden Surrounding						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 60.00m	1	30.00	0.45	0.75	10.13	
	NES Circle LED Light Tower Garden Surrounding						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 50.00m	1	20.00	0.45	0.75	6.75	
	Sump Motor To NES Circle Clock Tower						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Yelahanka Lake Light Tower						
	Grom Entrance Gate To Light Tower						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 60.00m	1	30.00	0.45	0.75	10.13	
	Ch:60.00m to 90.00m	1	30.00	0.45	0.75	10.13	
	Ch:90.00m to 120.00m	1	30.00	0.45	0.75	10.13	
	Ch:120.00m to 150.00m	1	30.00	0.45	0.75	10.13	
	Ch:150.00m to 180.00m	1	30.00	0.45	0.75	10.13	
	Ch:180.00m to 210.00m	1	30.00	0.45	0.75	10.13	
	Ch:210.00m to 240.00m	1	30.00	0.45	0.75	10.13	

A.E.E (Project)

ractor

Asst.Engineer

Asst.Exec.Engineer

		Junctions in Yelahanka Assembly Constituency
2)	ಅಂದಾಜು ಮೊತ್ತ	Rs.200.00 Lakhs
	ಕಾಮಗಾರಿ ಆಯವ,ಯದಲ್ಲಿ	

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit
Ch:2[illegible].00m to 270.00m	1	30.00	0.45	0.75	10.13	
Ch:270.00m to 300.00m	1	30.00	0.45	0.75	10.13	
				Total Qty	**415.27**	**Cum**
				Qty Paid in 1st Part Bill	**103.75**	**Cum**
				Present Qty	**311.52**	**Cum**
				Upto 125%	**83.75**	**Cum**
				Above 125%	**227.77**	**Cum**

ractor

Asst.Engineer

Asst. Executive Engineer
Division
Zone
Bangalore - 92

Asst.Exec.Engineer

2)	ಅಂದಾಜು ಮೊತ್ತ	**Rs.200.00 Lakhs**
	ಕಾಮಗಾರಿ ಆಯವ್ಯಯದಲ್ಲಿ	

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency. (3)

Detailed Measurements 03-10-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.						
	Footings						
	NES Circle LED Light Tower	1	5.00	5.00	0.15	3.75	
	2nd and Final bill						
	Yelahanka Lake Light Tower	1	5.00	5.00	0.15	3.75	
					Total Qty	**7.50**	**Cum**
					Qty Paid in 1st Part Bill	**3.75**	**Cum**
					Present Qty	**3.75**	**Cum**

Contractor

Asst.Engineer

Asst. Asst.Exec.Engineer

Asst. Engineer
Pr. Works Division
Yelahanka Zone
BBMP, Bangalore - 92

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ne of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

led Measurements 10-10-23, 16-10-23, 31-10-23

n	Discription of Item	No	Length	B1	B2	Avg Bredth	Depth	Qty	Unit
	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix M15 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.								
	Footings								
	NES Circle LED Light Tower	1	5.00			5.00	0.15	3.75	
	2nd and Final bill								
	Yelahanka Lake Light Tower	1	5.00			5.00	0.15	3.75	
	NES Circle Clock tower Surrounding								
	for Road Edge Concrete frm East Side	1	9.50			1.20	0.15	1.71	
		1	30.00			1.20	0.15	5.40	
		1	10.00			1.20	0.15	1.80	
		1	9.50			1.20	0.15	1.71	
		1	30.00			1.20	0.15	5.40	
		1	10.00			1.20	0.15	1.80	
	For Platform								
	Inside Attur Lake Park								
	From Forest Gate								
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	15.00	5.05	5.00	5.03	0.15	11.36	
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	15.00	5.00	5.05	5.03	0.15	11.25	
		1	15.00	5.05	5.00	5.03	0.15	11.36	
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	2.90	5.00	5.00	5.00	0.15	2.18	
		1	3.00	←	—	—	—	—	
	Gap SWD	1	15.00	5.05	5.00	5.03	0.15	11.36	
		1	15.00	5.00	5.05	5.03	0.15	11.25	
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	11.60	5.05	5.05	5.05	0.15	8.79	
	For Missing Kerb Stone								
	Inside Attur Lake Park								
	LHS From Existing Cobble Stone								
	Ch:0.00m to 30.00m	1	1.00			0.20	0.10	0.02	
	Ch:30.00m to 56.60m	1	1.00			0.20	0.10	0.02	
	Ch:56.60m to 59.60m Gap SWD	1	3.00						
	Ch:59.60m to 89.60m	1	10.00			0.20	0.10	0.20	
	Ch:89.60m to 119.60m	1	6.00			0.20	0.10	0.12	

A.E.E. (Project)

Asst.Engineer

Asst. Exec. Engineer

Asst.Exec Engineer

...actor

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	Discription of Item	No	Length	B1	B2	Avg Bredth	Depth	Qty	Unit
	Ch:119.60m to 149.60m	1	12.00			0.20	0.10	0.24	
	Ch:149.60m to 179.60m	1	10.00			0.20	0.10	0.20	
	Ch:179.60m to 195.60m	1	6.00			0.20	0.10	0.12	
	Ch:195.60m to 201.60m Gap	1	6.00						
	Ch:201.60m to 231.60m	1	10.00			0.20	0.10	0.20	
	Ch:231.60m to 261.60m	1	14.00			0.20	0.10	0.28	
	Ch:261.60m to 291.60m	1	12.00			0.20	0.10	0.24	
	Ch:291.60m to 321.60m	1	10.00			0.20	0.10	0.20	
	Ch:321.60m to 351.60m	1	12.00			0.20	0.10	0.24	
	Ch:351.60m to 381.60m	1	30.00			0.20	0.10	0.60	
	Ch:381.60m to 411.60m	1	16.00			0.20	0.10	0.32	
	Ch:411.60m to 441.60m	1	12.00			0.20	0.10	0.24	
	Ch:441.60m to 471.60m	1	14.00			0.20	0.10	0.28	
	Ch:471.60m to 501.60m	1	12.00			0.20	0.10	0.24	
	Ch:501.60m to 531.60m	1	13.00			0.20	0.10	0.26	
	Ch:531.60m to 561.60m	1	10.00			0.20	0.10	0.20	
	Ch:561.60m to 576.60m	1	12.00			0.20	0.10	0.24	
	RHS From Existing Cobble Stone								
	Ch:0.00m to 30.00m	1	14.00			0.20	0.10	0.28	
	Ch:30.00m to 56.60m	1	10.00			0.20	0.10	0.20	
	Ch:56.60m to 59.60m Gap SWD	1	3.00						
	Ch:59.60m to 89.60m	1	10.00			0.20	0.10	0.20	
	Ch:89.60m to 119.60m	1	6.00			0.20	0.10	0.12	
	Ch:119.60m to 149.60m	1	12.00			0.20	0.10	0.24	
	Ch:149.60m to 179.60m	1	10.00			0.20	0.10	0.20	
	Ch:179.60m to 195.60m	1	6.00			0.20	0.10	0.12	
	Ch:195.60m to 201.60m Gap	1	6.00						
	Ch:201.60m to 231.60m	1	10.00			0.20	0.10	0.20	
	Ch:231.60m to 261.60m	1	8.00			0.20	0.10	0.16	
	Ch:261.60m to 291.60m	1	12.00			0.20	0.10	0.24	
	Ch:291.60m to 321.60m	1	14.00			0.20	0.10	0.28	
	Ch:321.60m to 351.60m	1	12.00			0.20	0.10	0.24	
	Ch:351.60m to 381.60m	1	10.00			0.20	0.10	0.20	
	Ch:381.60m to 411.60m	1	5.00			0.20	0.10	0.10	
	Ch:411.60m to 441.60m	1	12.00			0.20	0.10	0.24	
	Ch:441.60m to 471.60m	1	10.00			0.20	0.10	0.20	
	Ch:471.60m to 501.60m	1	12.00			0.20	0.10	0.24	
	Ch:501.60m to 531.60m	1	8.00			0.20	0.10	0.16	
	Ch:531.60m to 561.60m	1	10.00			0.20	0.10	0.20	
	Ch:561.60m to 576.60m	1	6.00			0.20	0.10	0.12	
							Total Qty	**180.47**	**Cum**
							Qty Paid in 1st Part Bill	**5.00**	**Cum**
							Present Qty	**175.47**	**Cum**
							Upto 125%	**13.75**	**Cum**
							Above 125%	**161.72**	**Cum**

A.E.E. (Project)

actor

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

Asst.Exec.Engineer

me of Work: Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

iled Measurements 25-10-23, 31-10-23

em No	Discription of Item	No	Length	B1	B2	Avg Bredth	Depth	Qty	Unit
4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications								
	Flooring								
	NES Circle LED Light Tower	2	1.00		4.50		0.15	1.35	
		2	1.00		4.50		0.15	1.35	
	2nd and Final bill								
	Yelahanka Lake Light Tower	2	1.00		4.50		0.15	1.35	
		2	1.00		4.50		0.15	1.35	
	NES Circle Clock tower Surrounding								
	for Road Edge Concrete frm East Side	1	9.50		1.20		0.15	1.71	
		1	30.00		1.20		0.15	5.40	
		1	10.00		1.20		0.15	1.80	
		1	9.50		1.20		0.15	1.71	
		1	30.00		1.20		0.15	5.40	
		1	10.00		1.20		0.15	1.80	
	For Platform								
	Inside Attur Lake Park								
	From Forest Gate								
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	15.00	5.05	5.00	5.03	0.15	11.36	
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	15.00	5.00	5.05	5.03	0.15	11.25	
		1	15.00	5.05	5.00	5.03	0.15	11.36	
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	2.90	5.00	5.00	5.00	0.15	2.18	
	Gap SWD	1	3.00						
		1	15.00	5.05	5.00	5.03	0.15	11.36	
		1	15.00	5.00	5.05	5.03	0.15	11.25	
		1	15.00	5.05	5.05	5.05	0.15	11.36	
		1	11.60	5.05	5.05	5.05	0.15	8.79	
							Total Qty	**169.97**	**Cum**
							Qty Paid in 1st Part Bill	**0.00**	**Cum**
							Present Qty	**169.97**	**Cum**
							Upto 125%	**14.06**	**Cum**
							Above 125%	**155.91**	**Cum**

27/12/23

Contractor

Asst.Engineer

Asst.Exec.Engineer

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

iled Measurements 27-10-23

m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
5	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.						
	LED Light Tower						
	Total Earth work Qty		Pagero - 02			415.27	
	Deduct Sand Boulder Qty					-7.50	
	Deduct PCC Qty					-183.72	
	Deduct Footing Concrete Qty					-83.25	
	For Cable Trench					140.80	
	For Cable Trench						
	From Bescom Pole To NES Circle LED Light Tower						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 48.00m	1	18.00	0.45	0.75	6.08	
	NES Circle Clock Tower To Light Tower						
	Ch:30.00m to 22.00m	1	22.00	0.45	0.75	7.43	
	NES Circle Clock Tower Garden Surrounding						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 60.00m	1	30.00	0.45	0.75	10.13	
	NES Circle LED Light Tower Garden Surrounding						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 50.00m	1	20.00	0.45	0.75	6.75	
	Sump Motor To NES Circle Clock Tower					Ch 1 Qty	
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Yelahanka Lake Light Tower					A.E.E. (Project)	
	Grom Entrance Gate To Light Tower						
	Ch:0.00m to 30.00m	1	30.00	0.45	0.75	10.13	
	Ch:30.00m to 60.00m	1	30.00	0.45	0.75	10.13	
	Ch:60.00m to 90.00m	1	30.00	0.45	0.75	10.13	
	Ch:90.00m to 120.00m	1	30.00	0.45	0.75	10.13	
	Ch:120.00m to 150.00m	1	30.00	0.45	0.75	10.13	
	Ch:150.00m to 180.00m	1	30.00	0.45	0.75	10.13	
	Ch:180.00m to 210.00m	1	30.00	0.45	0.75	10.13	

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actor

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

Ast exec.Engineer

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Description of Item	No	Length	Breadth	Depth	Qty	Unit
Ch 210.00m to 240.00m	1	30.00	0.45	0.75	10.13	
Ch 240.00m to 270.00m	1	30.00	0.45	0.75	10.13	
Ch 270.00m to 300.00m	1	30.00	0.45	0.75	10.13	
				Total Qty	**312.92**	**Cum**
				Qty Paid in 1st Part Bill	**33.94**	**Cum**
				Present Qty	**278.98**	**Cum**

A.E.E. (Project)

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Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 01

Asst.exec.Engineer

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ame of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements

urement Recorded On: 28-10-23

Description of Item	No	Length	Breadth	Depth	Qty	Unit
Conveying the excavated earth, debris etc., with all lead and lifts Including loading and unloading chargesetc., complete as per the direction of Engineer incharge.						
LED Light Tower						
Total Earth work Qty		Page-10			415.27	
Deduct Sand Boulder Qty					-7.50	
Deduct PCC Qty					-183.72	
Deduct Footing Concrete Qty					-83.25	
				Total Qty	**140.80**	**Cum**
				Qty Paid in 1st Part Bill	**52.67**	**Cum**
				Present Qty	**88.13**	**Cum**

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements 12-10-23, 16-10-23

Description of Item	No	Length	Breadth	Depth	Qty	Unit
KSRB 4-6 1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.						
NES Circle LED Light Tower						
Footing	1	18.00		0.50	9.00	
Pedastal Up to Ground Level	1	12.00		3.50	42.00	
Yelahanka Lake Light Tower						
Footing	1	18.00		0.50	9.00	
Pedastal Up to Ground Level	1	12.00		3.50	42.00	
				Total Qty	**102.00**	**Sqm**
				Qty Paid in 1st Part Bill	**51.24**	**Sqm**
				Present Qty	**50.76**	**Sqm**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
[illegible] Division
[illegible] Zone
BBMP, Bangalore - 92

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of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Measurements 20-10-23

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
KSRB 4-6.6 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars,post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications						
NES Circle LED Light Tower				1.00	12.00	
Pedastal Above Ground Level	1	12.00				
Yelahanka Lake Light Tower				1.00	12.00	
Pedastal Above Ground Level	1	12.00				
				Total Qty	**24.00**	**Sqm**
				Qty Paid in 1st Part Bill	**12.80**	**Sqm**
				Present Qty	**11.20**	**Sqm**

Contractor

Asst.Engineer

Asst. Exec. Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements

Measurement Recorded On: 12-10-23 , 16-10-23 , 20-10-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls,						
	NES Circle LED Light Tower						
	For Footing	1	4.50	4.50	0.50	10.1	
	Pedastal Up to Ground Level	1	3.00	3.00	3.50	31.50	
	Pedastal Above Ground Level	1	3.00	3.00	1.00	9.00	
	Yelahanka Lake Light Tower						
	For Footing	1	4.50	4.50	0.50	10.1	
	Pedastal Up to Ground Level	1	3.00	3.00	3.50	31.50	
	Pedastal Above Ground Level	1	7.06		2.40	16.94	
					Total Qty	**109.19**	**Cum**
					Qty Paid in 1st Part Bill	**54.16**	**Cum**
					Present Qty	**55.03**	**Cum**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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ne of Work: Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

led Measurements 9-10-23, 12-10-23, 16-10-23

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification							
NES Circle LED Light Tower							
Footing 4.50mX 4.50m							
Main Bar 16mm dia @150mm c/c both Ways= 1.58kg/m.							
		60	5.10		1.58	483.48	
		60	5.10		1.58	483.48	
For Coloumn							
80 # 16mm dia bar @125mmC/c		48	9.00		1.58	682.56	
Distrubution Bar 12mm dia @125mm c/c		36	12.00		0.89	384.48	
Bracing Rods 10mm dia bar at 125mmc/c	6	36	3.00		0.61	395.28	
2nd and Part bill							
Yelahanka Lake Light Tower							
Footing 4.50mX 4.50m							
Main Bar 16mm dia @150mm c/c both Ways= 1.58kg/m.							
		60	5.10		1.58	483.48	
		60	5.10		1.58	483.48	
For Coloumn							
80 # 16mm dia bar @125mmC/c		48	10.50		1.58	796.32	
Distrubution Bar 12mm dia @125mm c/c		36	12.00		0.89	384.48	
Bracing Rods 10mm dia bar at 125mmc/c	6	36	3.00		0.61	395.28	
					Present Qty	**4972.32**	**Kg**
					Total Qty	**4.97**	**Ton**
					Qty Paid in 1st Part Bill	**2.43**	**Ton**
					Present Qty	**2.54**	**Ton**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

me of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

led Measurements 06-11-23

m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)						
	Yelahanka Lake Light Tower						
	1st Step	1	30.00	0.75	0.60	13.50	
		1	16.90	0.75	0.60	7.61	
	2nd Step	1	30.00	0.45	0.45	6.08	
		1	16.90	0.45	0.45	3.42	
					Total Qty	**30.60**	**Cum**
					Qty Paid in 1st Part Bill	**0.00**	**Cum**
					Present Qty	**30.60**	**Cum**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst. Executive Engineer
Asst.Exec.Engineer
Yelahanka Zone
BBMP, Bangalore - 92

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ıe of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

15

ed Measurements 25-10-23

Discription of Item	No	Length	B1	B2	Avg Bredth	Depth	Qty	Unit
Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work..								
Light Tower NearYelahanka Lake								
Area= D=7.5 , [3.14[D2]/4]	1	44.16				0.75	33.12	
Deduct light Area D=1.50	-1	1.77				0.75	-1.32	
Light Tower NearYelahanka Lake								
East Side	1	7.25	6.35			0.75	34.53	
West Side	1	6.45	6.35			0.65	26.62	
For Platform								
Inside Attur Lake Park								
From Forest Gate								
	1	15.00	5.05	5.05	5.05	0.25	18.94	
	1	15.00	5.05	5.05	5.05	0.25	18.94	
	1	15.00	5.05	5.05	5.05	0.25	18.94	
	1	15.00	5.05	5.00	5.03	0.25	18.94	
	1	15.00	5.00	5.00	5.00	0.25	18.75	
	1	15.00	5.00	5.00	5.00	0.25	18.75	
	1	15.00	5.00	5.05	5.03	0.25	18.75	
	1	15.00	5.05	5.00	5.03	0.25	18.94	
	1	15.00	5.00	5.00	5.00	0.25	18.75	
	1	2.90	5.00	5.00	5.00	0.25	3.63	
Gap SWD	1	3.00						
	1	15.00	5.05	5.00	5.03	0.25	18.94	
	1	15.00	5.00	5.05	5.03	0.25	18.75	
	1	15.00	5.05	5.05	5.05	0.25	18.94	
	1	11.60	5.05	5.05	5.05	0.25	14.65	
						Present Qty	**337.53**	**Cum**
						Qty Paid in 1st Part Bill	**0.00**	**Cum**
						Present Qty	**337.53**	**Cum**

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S.E.E. (Project)

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst.Exec.Engineer

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

led Measurements 07-11-23

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit
1.1kV LT, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath armoured UG LT cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness in average ± 5% and resistivity 14 Ohms/Kms (Max) as per IS-3975						
UG Cable						
From Bescom Pole To NES Circle LED Light Tower						
Ch:0.00m to 30.00m	1	30.00			30.00	
Ch:30.00m to 48.00m	1	18.00			18.00	
NES Circle Clock Tower To Light Tower						
Ch:30.00m to 22.00m	1	22.00			22.00	
NES Circle Clock Tower Garden Surrounding						
Ch:0.00m to 30.00m	1	30.00			30.00	
Ch:30.00m to 60.00m	1	30.00			30.00	
NES Circle LED Light Tower Garden Surrounding						
Ch:0.00m to 30.00m	1	30.00			30.00	
Ch:30.00m to 50.00m	1	20.00			20.00	
Sump Motor To NES Circle Clock Tower						
Ch:0.00m to 30.00m	1	30.00			30.00	
Yelahanka Lake Light Tower						
Grom Entrance Gate To Light Tower						
Ch:0.00m to 30.00m	1	30.00			30.00	
Ch:30.00m to 60.00m	1	30.00			30.00	
Ch:60.00m to 90.00m	1	30.00			30.00	
Ch:90.00m to 120.00m	1	30.00			30.00	
Ch:120.00m to 150.00m	1	30.00			30.00	
Ch:150.00m to 180.00m	1	30.00			30.00	
Ch:180.00m to 210.00m	1	30.00			30.00	
Ch:210.00m to 240.00m	1	30.00			30.00	
Ch:240.00m to 270.00m	1	30.00			30.00	
Ch:270.00m to 300.00m	1	30.00			30.00	
					510.00	M
				Total Qty	**0.51**	**Km**
				Qty Paid in 1st Part Bill	**0.00**	**Km**
				Present Qty	**0.51**	**Km**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Zone
Bangalore - 92

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Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements

Measurement Recorded On: 21-11-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
ES	Development of Lawn:Cleaning the site by Scraping and removing Top layer of Soil,Removing Unwanted Debris,Grass Along With Excavted Earth To A Distance Of 500m From The Spot Including Lead,Lift Loading And Unloading Charges[1*1*0.15m]						
	Light Tower NearYelahanka Lake						
	Area= D=7.5 , [3.14[D2]/4]	1	44.16			44.16	
	Deduct light Area D=1.50	-1	1.77			1.77	
	Light Tower NearYelahanka Lake						
	East Side	1	7.25	6.35		46.04	
	West Side	1	6.45	6.35		40.96	
					Total Qty	**129.39**	**Sqm**
					Qty Paid in 1st Part Bill	**0.00**	**Sqm**
					Present Qty	**129.39**	**Sqm**

A.E.E. (Projects)

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Providing Sculpture/Murals at Parks, Lakes, and Junctions in Vedavathi Assembly Constituency.

Detailed Measurements: 21-11-23

Description of Item	No	Length	Breadth	Depth	In	Out
For Digging For Lawn Earthwork Digging including Removing Weeds, Levels, Form and Breaking of Clumps Watering Etc To a Depth of						
Light Tower Near Vedavathi Lake						
Area = $\frac{22}{7} \times 7 \times 7$						
Deduct light Area $\frac{22}{7} \times 1.5 \times 1.5$						
Light Tower Near Vedavathi Lake						
East Side						
West Side						

Contractor

Asst Engineer

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Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

tailed Measurements 22-11-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
E10	Soil Filling For Lawn: Supply And Stocking Good Quality Red Earth Etc For Filling The Top Layer To a Depth of 0.15m [1*1*0.15]						
	Area= D=7.5 , [3.14[D2]/4]						
	Deduct light Area D=1.50	1	44.16			44.16	
	Deduct light Area	-1	1.77			-1.77	
	Light Tower NearYelahanka Lake						
	East Side	1	7.25	6.35			
	West Side	1	6.45	6.35		40.96	
					Total Qty	**129.39**	**Sqm**
					Qty Paid in 1st Part Bill	**0.00**	**Sqm**
					Present Qty	**129.39**	**Sqm**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರುರವರ ಕಾರ್ಯಾಲಯ (ಯೋಜನೆ)

ಯಲಹಂಕ ವಲಯ, ಬೆಂಗಳೂರು-560 092

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Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

10

tailed Measurements 22-11-23

m o	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
11	Soil Filling For Lawn: Supply And Stocking Good Quality Red Earth Etc For Filling The Top Layer To a Depth of 0.15m [1*1*0.15]						
	Light Tower NearYelahanka Lake						
	Area= D=7.5 , [3.14[D2]/4]	1	44.16			44.16	
	Deduct light Area D=1.50	-1	1.77			-1.77	
	Light Tower NearYelahanka Lake						
	East Side	1	7.25	6.35		46.04	
	West Side	1	6.45	6.35		40.98	
					Present Qty	**129.39**	**Sqm**
					Qty Paid in 1st Part Bill	**0.00**	**Sqm**
					Present Qty	**129.39**	**Sqm**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division
Zone
- 92

Asst Exec Engineer

ಅಭಿಯಂತರರುರವರ ಕಾರ್ಯಾಲಯ (ಯೋಜನೆ)
ಯಲಹಂಕ ವಲಯ, ಬೆಂಗಳೂರು-560 092

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ame of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

tailed Measurements 22-11-23

m o	Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit
12	Soil Filling For Lawn: Providing Sand,FYM And Red Earth in the Ratio of 1:3:6 And Spreading To a Depth of 7.5cm At the Required Site						
	Light Tower NearYelahanka Lake						
	Area= D=7.5 , [3.14[D2]/4]						
	Deduct light Area D=1.50	1	44.16			44.16	
	Light Tower NearYelahanka Lake	-1	1.77			-1.77	
	East Side						
	West Side	1	7.25	6.35		46.04	
		1	6.45	6.35		40.96	
					Total Qty	**129.39**	**Sqm**
					Qty Paid in 1st Part Bill	**0.00**	**Sqm**
					Present Qty	**129.39**	**Sqm**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst.Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bengaluru - 92

ಅಭಿಯಂತರರುರವರ ಕಾರ್ಯಾಲಯ (ಯೋಜನೆ)
ಯಲಹಂಕ ವಲಯ, ಬೆಂಗಳೂರು-560 092

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Recorded Measurements 23-11-23

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit
Supply Of Lawn Grass: Laying of barbada gross over newly laid red earth surface with all lead and lift and directions of the Engineer-In-charge of the work.						
Light Tower NearYelahanka Lake						
Area= D=7.5 , [3.14[D2]/4]	1		44.16		44.16	
Deduct light Area D=1.50	-1		1.77		-1.77	
Light Tower NearYelahanka Lake						
East Side	1	7.25	6.35		46.04	
West Side	1	6.45	6.35		40.96	
				Total Qty	**129.39**	**Sqm**
				Qty Paid in 1st Part Bill	**0.00**	**Sqm**
				Present Qty	**129.39**	**Sqm**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Recorded Measurements 22-11-23

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit
Crawler mounted Crane 35 t capacity						
12 Days	12	6			72.00	
				Total Qty	**72.00**	**Hr**
				Qty Paid in 1st Part Bill	**0.00**	**Hr**
				Present Qty	**72.00**	**Hr**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

ailed Measurements 20-10-23

Discription of Item	No	Length	B1	B2	Avg Bredth	A.Depth	Qty	Unit
Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work								
2nd and Final bill								
For Platform								
Inside Attur Lake Park								
From Forest Gate								
	1	15.00	5.05	5.05	5.05	0.35	26.51	
	1	15.00	5.05	5.05	5.05	0.35	26.51	
	1	15.00	5.05	5.05	5.05	0.35	26.51	
	1	15.00	5.05	5.00	5.03	0.35	26.51	
	1	15.00	5.00	5.00	5.00	0.35	26.25	
	1	15.00	5.00	5.00	5.00	0.35	26.25	
	1	15.00	5.00	5.05	5.03	0.35	26.25	
	1	15.00	5.05	5.00	5.03	0.35	26.51	
	1	15.00	5.00	5.00	5.00	0.35	26.25	
	1	2.90	5.00	5.00	5.00	0.35	5.08	
Gap SWD	1	3.00						
	1	15.00	5.05	5.00	5.03	0.35	26.51	
	1	15.00	5.00	5.05	5.03	0.35	26.25	
	1	15.00	5.05	5.05	5.05	0.35	26.51	
	1	11.60	5.05	5.05	5.05	0.35	20.50	
						Total Qty	**342.42**	**Cum**
						Qty Paid in 1st Part Bill	**0.00**	**Cum**
						Present Qty	**342.42**	**Cum**

A.E.E. (Project)

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Work Zone
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

MEASUREMENT

"FIRST AND FINAL BILL"

Name of Work:Construction of Watch Tower in NES Circle of Yelahanka sub division

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not								
	Vide premeasurement page no.								
					Total Qty	**311.52**	**Cum**		
					Upto 125%	**83.75**	**Cum**	**338.74**	**28369.48**
					Above 125%	**227.77**	**Cum**	**338.74**	**77153.12**
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and								
	Vide premeasurement page no.					**3.75**	**Cum**	**2751.86**	**10319.48**
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix M15 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.								
	Vide premeasurement page no.								
						175.47	**Cum**		
					Upto 125%	**13.75**	**Cum**	**6706.56**	**92215.20**
					Above 125%	**161.72**	**Cum**	**6706.56**	**1084581.53**
4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications								
	Vide premeasurement page no.								
						169.97	**Cum**		
					Upto 125%	**14.06**	**Cum**	**6741.03**	**94795.73**
					Above 125%	**155.91**	**Cum**	**6741.03**	**1050973.76**
5	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								
	Vide premeasurement page no.					**8.49**	**Cum**	**227.72**	**1932.20**
6	Conveying the excavated earth, debris etc., with all lead and lifts Including loading and unloading chargesetc., complete as per the direction of Engineer incharge.								
	Vide premeasurement page no.					**92.41**	**Cum**	**70.38**	**6503.46**

Contractor

Asst.Engineer

88.13

Asst. Executive Engineer
Project Division
Yelahanka Zone

Asst.Exec.Engineer

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Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
7	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.								
	Vide premeasurement page no. 10					**50.76**	**Sqm**	**292.29**	**14836.64**
8	KSRB 4-6.6 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars,post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications								
	Vide premeasurement page no. 11					**11.20**	**Sqm**	**1034.36**	**11584.83**
9	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness)								406334
	Vide premeasurement page no. 12					**55.03**	**Cum**	**7383.34**	**406334.73**
10	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification								251552
	Vide premeasurement page no. 13					**2.54**	**Tonn**	**99036.47**	**251782.40**
E1	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)								
	Vide premeasurement page no. 14					**30.60**	**Cum**	**6063.39**	**185553.31**
E3	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.								185540.2
	Vide premeasurement page no. 15					**337.53**	**Cum**	**455.43**	**153720.53**
E6	1.1kV LT, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath armoured UG LT cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness in average ± 5% and resistivity 14 Ohms/Kms (Max) as per IS-3975								
	Vide premeasurement page no. 16					**0.51**	**Km**	**58320.20**	**29743.30**

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division

Asst.Exec.Engineer

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Detailed Measurements

Item No.	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
E8	Development of Lawn:Cleaning the site by Scraping and removing Top layer of Soil,Removing Unwanted Debris,Grass Along With Excavted Earth To A Distance Of 500m From The Spot Including Lead,Lift Loading And Unloading Charges[1*1*0.15m]							69.04	8932
	Vide premeasurement page no. 17					**129.39**	**Sqm**	**53.80**	**6960.91**
E9	1st Digging For Lawn: Earthwork Digging Including Removing Weeds, Debris, If Any and Breaking of Clumps Watering Etc To a Depth Of								
	Vide premeasurement page no. 18					**129.39**	**Sqm**	**97.16**	**12571.05**
E10	Soil Filling For Lawn: Supply And Stocking Good Quality Red Earth Etc For Filling The Top Layer To a Depth of 0.15m [1*1*0.15]								
	Vide premeasurement page no. 19					**129.39**	**Sqm**	**48.58**	**6285.52**
E11	Soil Filling For Lawn: Supply And Stocking Good Quality Red Earth Etc For Filling The Top Layer To a Depth of 0.15m [1*1*0.15]								
	Vide premeasurement page no. 20					**129.39**	**Sqm**	**65.81**	**8514.83**
E12	Soil Filling For Lawn: Providing Sand,FYM And Red Earth in the Ratio of 1:3:6 And Spreading To a Depth of 7.5cm At the Required Site								
	Vide premeasurement page no. 21					**129.39**	**Sqm**	**53.80**	**6960.91**
E13	Supply Of Lawn Grass: Laying of barbada gross over newly laid red earth surface with all lead and lift and directions of the Engineer-In-charge of the work.								
	Vide premeasurement page no. 22					**129.39**	**Sqm**	**15.00**	**1940.78**
E14	Crawler mounted Crane 35 t capacity								
	Vide premeasurement page no. 23					**72.00**	**Hr**	**4735.29**	**340940.94**
E16	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated								
	Vide premeasurement page no. 24					**342.42**	**Cum**	**73.64**	**25215.41**

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division

Asst.Exec.Engineer

Name of Work: Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements

Measurement Recorded On: 18-12-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
11	PROVIDING, SUPPLYING, INSTALLATION, TESTING AND COMMISSIONING OF 9 MTS LED ART TOWER LIGHTING (1 UNIT) with custom design of Design supply erection and commissioning of burgeon shaped tree. a) Fabrication of external dimension of structure is dia 4472mm at ground dia 9634mm at top height 9075mm from ground. b) The structure has total of 10 no. Of horizontal support 7 nos of 4472mm dia,1nos Of 6193 mm dia, 1nos Of 7914 mm dia, 1no Of 9634mm dia c) Horizontal anular rings are made up of 25mm od 2mm thick MS tubes rolled into arc with CNC machine for accurate and repeatable shapes. d) The structure has 18 to 20 no. Of vertical supports around the vertical rings equi spaced made up or 25mm od MS tube 2mm thick and bent into tree shapes. e) The structure is degresed and coated with zinc chromate primer at dispatched for effective corrosion protection. f) The burgeon tree structure is split into minimum of 4 sectors for ease of erection transportation and availability of material, at site the 4 sectors will be welded or mechanically fastened., g) 1800 nos LED Pixel Dot, Color: RGBW, Protection: IP65, Power consumption: 1.44W, PixelHousing Transparent PC Milk white diffuser, Control: SPI,DC5/12/24V, RGBW Pixels: 4 Channels, Working temperature: -20~85, Automatic address code. h) 1 nos Master Controller DVI, work with computer online, can be compatible with pixel editing software. i) 2 nos Slave controller, DMX 512/ SPI Power 5W Ac input 110-240V 50Hz working								
	NES Circle LED Light Tower	1				1.00			
	2nd and Final bill								
	Yelahanka Lake Light Tower	1				1.00			
					Total Qty	**2.00**	**Nos**		
					Qty Paid in 1st Part Bill	**1.00**	**Nos**		
					Present Qty	**1.00**	**Nos**	**6136650.00**	**6136650.00**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements

Measurement Recorded On: 20-12-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
E2	Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications								
	2nd and Final bill								
	Yelahanka Lake Light Tower								
	Top of SSM	1	30.00	0.60		18.00			
		1	16.90	0.60		10.14			
					Total Qty	**28.14**	**Sqm**	2647.51	
					Qty Paid in 1st Part Bill	**0.00**	**Sqm**		
					Present Qty	**28.14**	**Sqm**	2647.51	74501.02

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements

Measurement Recorded On: 2-12-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
E4	Providing and fixing of Ornamental Granite Pillar of overall height of 800mm 200x200sqmm, Octagonal to a height of 820mm and carving design at bottom as shown in drawing .and 280mm respectively as per the approved Design and drawing including quarry cutting to the required size and transporting the same from quarry to work spot\ including loading and un loading with all lead and lift etc. complete as per design and drawing. The work shall be carried out as per design and drawing. Firmly fixed to the ground by means of properly designed foundation of size 300mm x 300mm x 300mm in 1:1.5:3 ratio cement concrete The work shall be carried out as per the engineers in charge of the work etc. and								
	Yelahanka Lake Light Tower								
		14				14.00			
	Light Tower NES Circle	18				18.00			
					Total Qty	**32.00**	**Nos**		
					Qty Paid in 1st Part Bill	**0.00**	**Nos**		
					Present Qty	**32.00**	**Nos**	**12500.00**	**400000.00**

27/12/23

A.E. (Project)

Contractor

Asst.Engineer

Asst. Executive Engineer

Asst.Exec.Engineer

Yelahanka Zone

BBMP, Bangalore - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements 22-12-23

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
E5	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel								
	Yelahanka Lake Light Tower								
		3	30.00			90.00			
		3	16.90			50.70			
	Light Tower NES Circle	3	2.6			7.80			
	Gate	3	1.4			4.20			
		3	2.4			7.20			
		3	2.78			8.34			
		3	2.77			8.31			
		3	2.75			8.25			
		3	2.75			8.25			
		3	2.78			8.34			
		3	2.8			8.40			
		3	1.83			5.49			
		3	2.2			6.60			
		3	2.25			6.75			
		3	1.43			4.29			
		3	2.78			8.34			
		3	2.78			8.34			
		3	2.8			8.40			
		3	2.78			8.34			
		3	2.78			8.34			
		3	1.78			5.34			
		3	2.78			8.34			
						288.36			
	50mm outer dia and 1mm thickness	1	**288.36**	4.83		**1392.78**			
	3.14(D^2-d^2)*L*7850								
	3.14(0.0025-0.0023)*1*7850=4.83Kg/m								
					Total Qty	**1392.78**	**Sqm**		
					Qty Paid in 1st Part Bill	**0.00**	**Sqm**		
					Present Qty	**1392.78**	**Sqm**	**555.50**	**773688.62**

566.46 788953.

A.E.E. (Project)

A.E.E. (Project)

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements 23-12-23

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit	Rate	Amount
Sprinkler System:Providing and Fixing Sprinkler System with in the site by Using 25mm/10kg, 40mm/6kg good quality PVC pipes, ISI marked sprinklers, Control valves and Fitting etc., Including excavation and backfilling trenches (Excluding of Providing borewell, Electrification & pump) As per the specification and direction of the Concerned officer, Rates may be quoted asper data rate Specific to the field condition.								
NES Circle LED Light Tower	4				4.00			
Yelahanka Lake Light Tower	2				2.00			
				Total Qty	**6.00**	**Each**		
				Qty Paid in 1st Part Bill	**0.00**	**Each**		
				Present Qty	**6.00**	**Each**	**4000.00**	**24000.00**

Contractor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements 23-12-23

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit	Rate	Amount
Supply And Fixing Of BBMP Logo Of 40" Height And 24" Width Made Of Stainless Steel Plate With Buffed And Mirror Finish 2mm Coating it With Titanium Nitride For Gold Colour Including With All Lead And Lift And Completion Of The Work As Per Direction Of Engineer in Charge Of The Work.								
	4				4.00			
					Total Qty	4.00	Nos	
					Qty Paid in 1st Part Bill	0.00	Nos	
					Present Qty	4.00	Nos	100000.00	400000.00

27/12/23

Contractor

Asst.Engineer

Asst. Executive Engineer
Asst.Exec.Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements 26-12-23

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit	Rate	Amount
Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges) (Approved Rate)								
For Missing Kerb Stone								
Inside Attur Lake Park								
LHS From Existing Cobble Stone								
Ch:0.00m to 30.00m	1	1.00			1.00			
Ch:30.00m to 56.60m	1	1.00			1.00			
Ch:56.60m to 59.60m Gap SWD	1	3.00						
Ch:59.60m to 89.60m	1	10.00			10.00			
Ch:89.60m to 119.60m	1	6.00			6.00			
Ch:119.60m to 149.60m	1	12.00			12.00			
Ch:149.60m to 179.60m	1	10.00			10.00			
Ch:179.60m to 195.60m	1	6.00			6.00			
Ch:195.60m to 201.60m Gap	1	6.00						
Ch:201.60m to 231.60m	1	10.00			10.00			
Ch:231.60m to 261.60m	1	14.00			14.00			
Ch:261.60m to 291.60m	1	12.00			12.00			
Ch:291.60m to 321.60m	1	10.00			10.00			
Ch:321.60m to 351.60m	1	12.00			12.00			
Ch:351.60m to 381.60m	1	30.00			30.00			
Ch:381.60m to 411.60m	1	16.00			16.00			
Ch:411.60m to 441.60m	1	12.00			12.00			
Ch:441.60m to 471.60m	1	14.00			14.00			
Ch:471.60m to 501.60m	1	12.00			12.00			
Ch:501.60m to 531.60m	1	13.00			13.00			
Ch:531.60m to 561.60m	1	10.00			10.00			
Ch:561.60m to 576.60m	1	12.00			12.00			
RHS From Existing Cobble Stone								
Ch:0.00m to 30.00m	1	14.00			14.00			
Ch:30.00m to 56.60m	1	10.00			10.00			
Ch:56.60m to 59.60m Gap SWD	1	3.00						
Ch:59.60m to 89.60m	1	10.00			10.00			
Ch:89.60m to 119.60m	1	6.00			6.00			
Ch:119.60m to 149.60m	1	12.00			12.00			
Ch:149.60m to 179.60m	1	10.00			10.00			
Ch:179.60m to 195.60m	1	6.00			6.00			
Ch:195.60m to 201.60m Gap	1	6.00						

A.E.E. (Project)

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

Asst.Exec.Engineer

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit	Rate	Amount
Ch:[illegible]60m to 231.60m	1	10.00			10.00			
Ch:231.60m to 261.60m	1	8.00			8.00			
Ch:261.60m to 291.60m	1	12.00			12.00			
Ch:291.60m to 321.60m	1	14.00			14.00			
Ch:321.60m to 351.60m	1	12.00			12.00			
Ch:351.60m to 381.60m	1	10.00			10.00			
Ch:381.60m to 411.60m	1	5.00			5.00			
Ch:411.60m to 441.60m	1	12.00			12.00			
Ch:441.60m to 471.60m	1	10.00			10.00			
Ch:471.60m to 501.60m	1	12.00			12.00			
Ch:501.60m to 531.60m	1	8.00			8.00			
Ch:531.60m to 561.60m	1	10.00			10.00			
Ch:561.60m to 576.60m	1	6.00			6.00			
					420.00	M		
				Total Qty	**933.00**	**Nos**		
				Qty Paid in 1st Part Bill	**0.00**	**Nos**		
				Present Qty	**933.00**	**Nos**	**531.84**	**496209.52**

A.E.E. (Project)

27/12/23

A.E.E. (Project)

Contractor

Asst.Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work:Providing Sculpture/Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency.

Detailed Measurements 26-12-23.

Item No	Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit	Rate	Amount
18	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces								
	For Kerb Stone								
	Inside Attur Lake Park								
	LHS From Existing Cobble Stone								
	Ch:0.00m to 30.00m	1	1.00		0.35	0.35			
	Ch:30.00m to 56.60m	1	1.00		0.35	0.35			
	Ch:56.60m to 59.60m Gap SWD	1	3.00						
	Ch:59.60m to 89.60m	1	10.00		0.35	3.50			
	Ch:89.60m to 119.60m	1	6.00		0.35	2.10			
	Ch:119.60m to 149.60m	1	12.00		0.35	4.20			
	Ch:149.60m to 179.60m	1	10.00		0.35	3.50			
	Ch:179.60m to 195.60m	1	6.00		0.35	2.10			
	Ch:195.60m to 201.60m Gap	1	6.00						
	Ch:201.60m to 231.60m	1	10.00		0.35	3.50			
	Ch:231.60m to 261.60m	1	14.00		0.35	4.90			
	Ch:261.60m to 291.60m	1	12.00		0.35	4.20			
	Ch:291.60m to 321.60m	1	10.00		0.35	3.50			
	Ch:321.60m to 351.60m	1	12.00		0.35	4.20			
	Ch:351.60m to 381.60m	1	30.00		0.35	10.50			
	Ch:381.60m to 411.60m	1	16.00		0.35	5.60			
	Ch:411.60m to 441.60m	1	12.00		0.35	4.20			
	Ch:441.60m to 471.60m	1	14.00		0.35	4.90			
	Ch:471.60m to 501.60m	1	12.00		0.35	4.20			
	Ch:501.60m to 531.60m	1	13.00		0.35	4.55			
	Ch:531.60m to 561.60m	1	10.00		0.35	3.50			
	Ch:561.60m to 576.60m	1	12.00		0.35	4.20			
	RHS From Existing Cobble Stone								
	Ch:0.00m to 30.00m	1	14.00		0.35	4.90			
	Ch:30.00m to 56.60m	1	10.00		0.35	3.50			
	Ch:56.60m to 59.60m Gap SWD	1	3.00						
	Ch:59.60m to 89.60m	1	10.00		0.35	3.50			
	Ch:89.60m to 119.60m	1	6.00		0.35	2.10			
	Ch:119.60m to 149.60m	1	12.00		0.35	4.20			
	Ch:149.60m to 179.60m	1	10.00		0.35	3.50			
	Ch:179.60m to 195.60m	1	6.00		0.35	2.10			
	Ch:195.60m to 201.60m Gap	1	6.00						
	Ch:201.60m to 231.60m	1	10.00		0.35	3.50			
	Ch:231.60m to 261.60m	1	8.00		0.35	2.80			
	Ch:261.60m to 291.60m	1	12.00		0.35	4.20			
	Ch:291.60m to 321.60m	1	14.00		0.35	4.90			

A.E.E. (Project)

Asst.Engineer

17-25

Asst. Executive Engineer

Asst.Exec.Engineer

Discription of Item	No	Length	A.Breadth	A.Depth	Qty	Unit	Rate	Amount
351.60m to 351.60m	1	12.00		0.35	4.20			
351.60m to 381.60m	1	10.00		0.35	3.50			
381.60m to 411.60m	1	5.00		0.35	1.75			
411.60m to 441.60m	1	12.00		0.35	4.20			
441.60m to 471.60m	1	10.00		0.35	3.50			
471.60m to 501.60m	1	12.00		0.35	4.20			
501.60m to 531.60m	1	8.00		0.35	2.80			
531.60m to 561.60m	1	10.00		0.35	3.50			
561.60m to 576.60m	1	6.00		0.35	2.10			
				Total Qty	**147.00**	**Sqm**		
				Qty Paid in 1st Part Bill	**0.00**	**Sqm**		
				Present Qty	**147.00**	**Sqm**	**96.30**	**14155.84**
							Sub Total	**12505955.02**
							GST 18%	**1054674.90**
							Grand Total	**13560629.93**

DA 1235725-00
GST 18%.

Asst.Engineer

Asst.Exec.Engineer

Contractor

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

DA 12357125-00
GST 18% 1027885-00
13385010-00